

Figure 1

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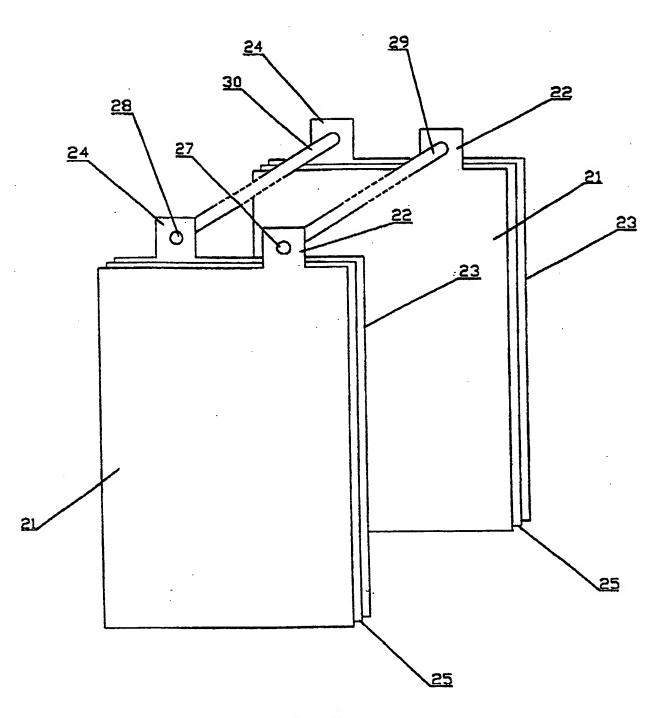


Figure 2

WO 00/34964 PCT/AU99/01081

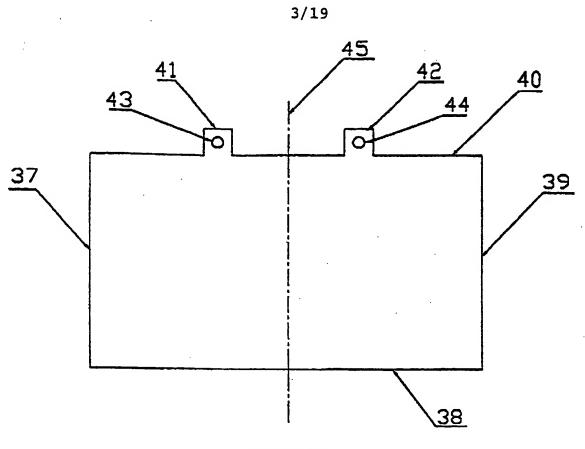


Figure 3

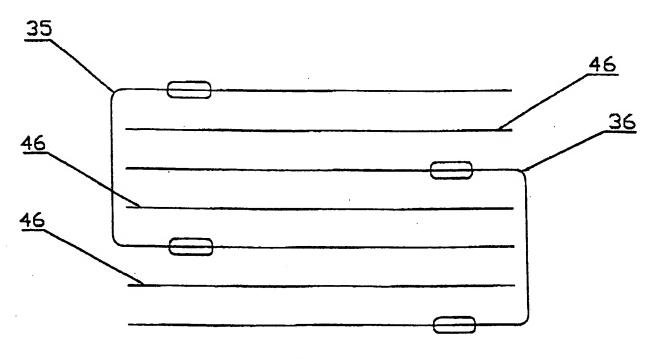
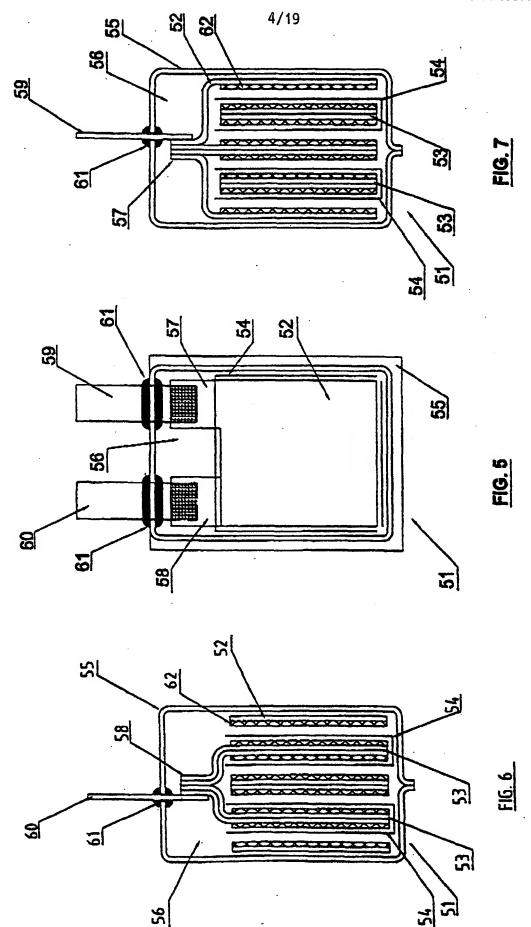
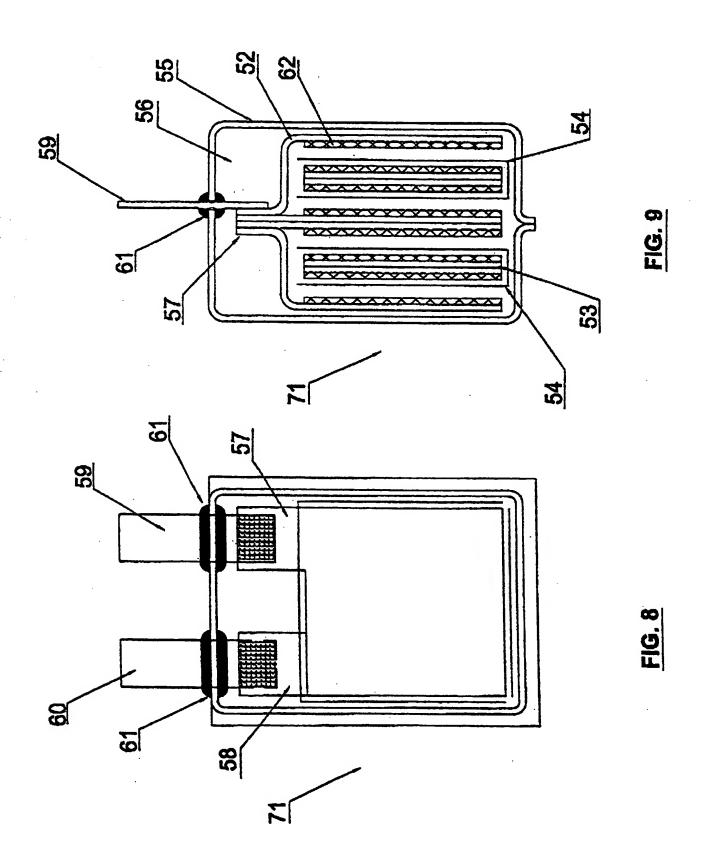
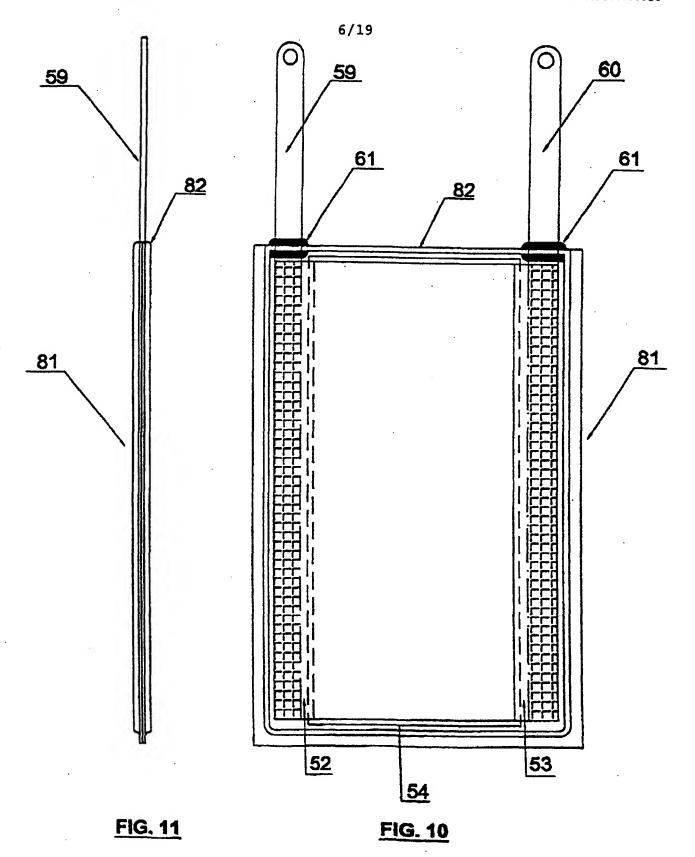


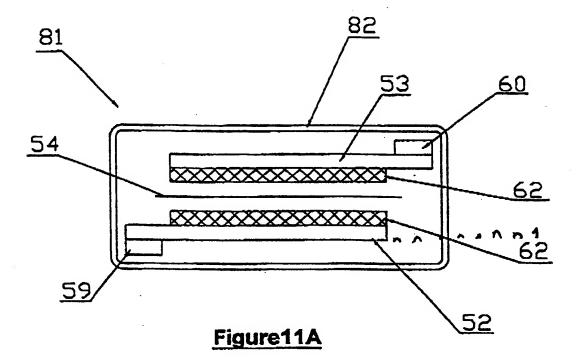
Figure 4



(\*)







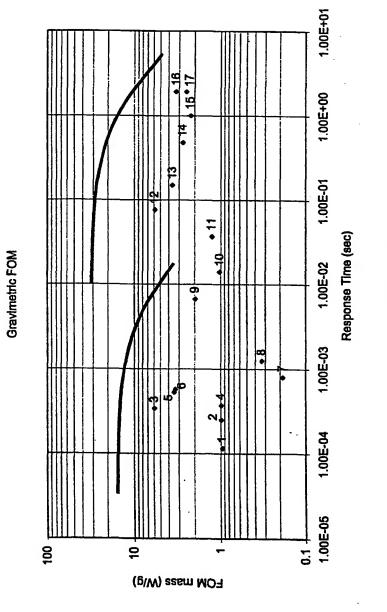


Figure 12

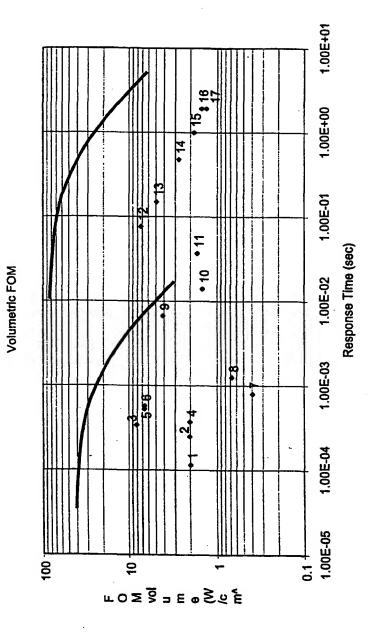
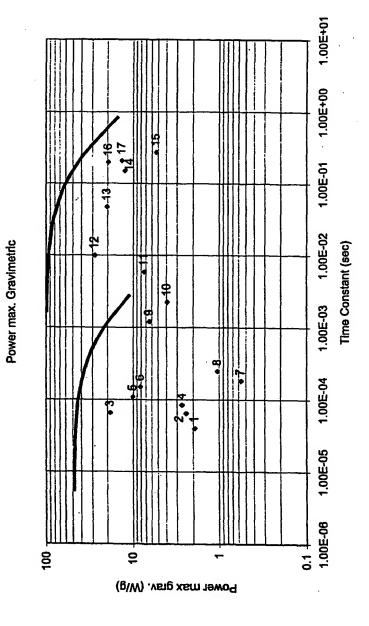


Figure 13



ligure 14

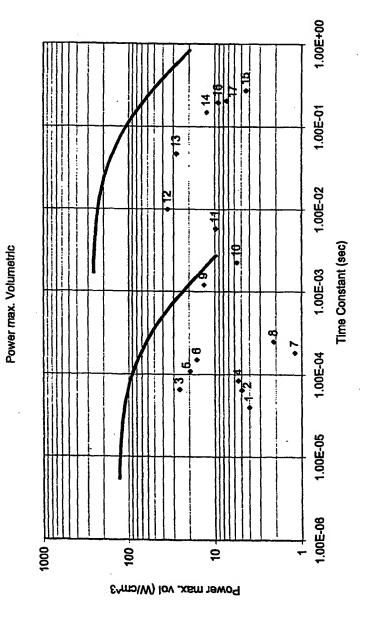


Figure 15

thickness		power (W/g)	time const power (W/g) power (W/cc) resp time FOMgrav FOMvol	resp time F	OMgrav	FOMvol
HF-3						
<b>~</b>	0.00000544	48.64	128.52	0.0000	15.48	40.91
2	0.00001088	48.32	125.46	0.0001	15.38	39.94
5	0.0000272	47.38	117.1	0.0005	15.08	37.27
10	0.0000544	45.89	105.39	0.0003	14.61	33.55
20	0.0001088	43.17	87.83	0.0007	13.74	27.96
20	0.000272	36.46	58.55	0.0017	11.61	18.64
100	0.000544	29.3	37.64	0.0034	9.33	11.98
200	0.001088	20.9	21.96	0.0068	6.65	6.33
200	0.00272	11.24	9.76	0.0171	3.58	3.11
cap-XXHIPo	Po					
-	0.001653	98.31	261.02	0.0104	31.29	83.09
7	0.003306	97.26	254.81	0.0208	30.96	81.11
2	0.008265	94.24	237.82	0.0519	30.00	75.70
10	0.01653	89.62	214.04	0.1039	28.53	68.13
20	0.03306	81.6	178.77	0.2077	25.97	56.90
20	0.08265	64.34	118.91	0.5193	20.48	37.85
100	0.1653	47.56	76.44	1.0386	15.14	24.33
200	0.3306	31.26	44.59	2.0772	9.95	14.19
200	0.8265	15.42	19.82	5.1931	4.91	6.31
•						

Figure 16

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0/34	964	}							42/	40							P	C	T/A	U <b>99/0</b>	1(
Thickne	<b>:</b> §				12	24	12	36	13/ 2	19 22	42	38	12	12	7	60	42	<b>3</b> 6	38	0/100	
Pvol	W/ca				4.02	4.95	25.78	5.41	19.57	16.29	1.20	2.13	13.44	5.64	9.85	35.24	27.78	12.50	4.40	9.14 60/100 7.38 30/70	1
Pgrav max	kW/kg				1.93	2.39	18.57	2.64	10.10	8.14	0.57	1.05	6.40	3.93	7.40	28.30	20.42	12.50	6.30	19.73	
Time	208				3.98E-05	8.44E-05	6.53E-05	8.40E-05	1.08E-04	1.49E-04	1.83E-04	2.48E-04	1.20E-03	2.24E-03	6.81E-03	9.92E-03	4.68E-02	1.49E-01	2.73E-01	1.96E-01 2.06E-01	
FOM Vol	W/cc		3.02	3.20	2.00	2.04	8.20	2.03	6.66	6.66	0.40	.0.68	4.13	1.48	1.69	7.26	4.90	2.71	1.83	1.51	
FOM	k/W/kg		2.06 0.08	0.96	0.98	0.99	5.91	0.99	3.44	3.33	0.19	0.34	1.97	1.03	1.27	5.83	3.60	2.71	2.20	3.28 2.45	
Response	286		8.30E-01	9.70E-02	1.15E-04	2.50E-04	3.40E-04	3.70E-04	5.28E-04	5.71E-04	8.00E-04	1.25E-03	6.67E-03	1.40E-02	3.70E-02	7.63E-02	1.50E-01	4.80E-01	1.00E+00	1.92E+00 1.92E+00	
Size	mm x mm x	mm.	11.2 x 30.6	17 × 17 × 6	110 x 100 x	110 × 100 × 0.32	110 × 100 ×	110 × 100 × 0.32	110 × 100 × 0.32	$110 \times 100 \times 0.32$	110 x 100 x 0.32	110 × 100 × 0.32	110 × 100 × 0.32	110 × 100 × 0.38	85 x 53 x 2	40 x 35 x 7	50 × 50 × 5	50 × 50 × 10	190 × 110 × 18	91 x 95 x 1.75 91 x 95 x 1.75	
Volume	8		30.65	0 1440.00	3.62	3.83	4.18	3.85	3.52	3.52	3.83	3.85	3.41	3.96	9.01	9.80	12,50	25.00	355.30	15.13 15.13	
	0		4. 4. 4. 0.		7.3	7.6	6.8	7.9	8.8	7.0	7.7	7.8	7.2	5.7	12.0	12.2	17.0	25.0	295.0	7.0	
Voltage	>		2 6	15.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	5.0	2.6	2.5	2.5	2.5 2.5	
Resistand	milliohms		•		110.43	86.98	14.60	76.03	22.68	27.25	368.50	190.80	34.10	70.00	17.60	18.10	4.50	9.00	1.00	11.30	
Capacitanc Resistanc Voltage Mass	• IL				0.00036	0.00074	0.00450	0.00112	0.00478	0.00548	0.00051	0.00130	0.03520	0.03200	0.33000	0.54800	10.40000	29.70000	272.50000	17.34000	1
			Prior Art 1	Prior Art 3	1 HF-7	2 HF-9	3 HF-3	4 HF-11	5 HF-5	6 HF-13	7 HF-18	8 HF-17	9 HF-18	10 HF-2	11 cap-XX	12 cap- xxHIPo	13 cap-XX,10	14 cap-XX,30	15 cap-	16 DC-3	

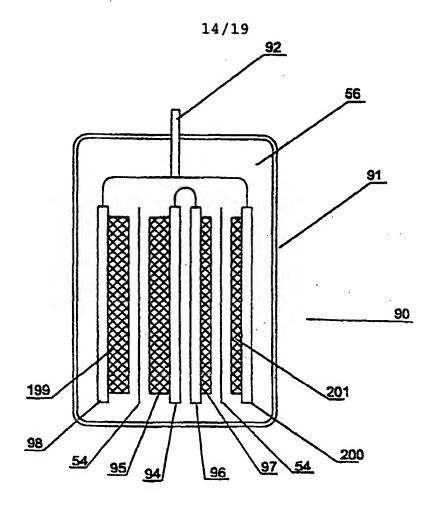
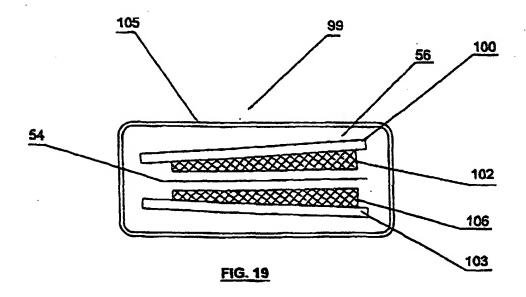


FIG.18



Thicknes	49	En				7	2	<del>5</del> 5	<u>5</u> 2	<u>t</u> t t	5 5 5	2 2 2 2 2	c; c; c; 4 <b>2</b>	2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 4 8 2 2 2 2
Pvol max Thicknes		Wcc			4.64		25.96		3.85		5.02		5.37		19.57		15.82		1.14		12.00	
Pgrav	max	kW/kg			3.19		16.90		1.88		2.38		2.65		8.98		7.81		0.52		6.71	
Time	constant	<b>\$</b> 80			1.14 3.05E-03		1.15E-04		1.35 4.15E-05		8.60E-05		1.44 8.91E-05		4.71 1.09E-04		4.71 1.81E-04		2.03E-04		2.65 1.30E-03	
FOM Vol		W/cc					7.63		1.35		1.44		1.44		4.71		4.71	,	0.28		2.65	
FOR	mass	KW/kg			0.80		4.97		0.67		0,68		0.71		2.18		2.33		0.12		1.26	
Respons	e Time	280			1.94E-02		5.26E-04		1.35E-04		2.50E-04		3.85E-04		5.26E-04		5.88E-04		9.09E-04		7.14E-03	
Size		X EE	X EE	E	Ξ	× 0.36	4.18 110 × 100	x 0.38	110 x 100	x 0.32	110 x 100	× 0.32	110 x 100	x 0.32	110 x 100	× 0.32	110 x 100	x 0.32	110 × 100	× 0.32	3.41 110 x 100	20.00
Volume		9			3.96		4.18		3.52		3.63		3.85		3.62		3.52		3.63		3.41	
Mass		<b>a</b>			6.6		6.4		7.1		7.7		7.8		7.7		7.1		8.1		7.2	
Voltage		>			2.5		2.6		2.5		2.5		2.6		2.5		2.5		2.5		5.5	
Capacita Resistan Voltage	93	millohm	•	,	87.00		14.40		112.24		85.78		75.52		22.68		28.08		376.60		38.20	
Capacita	nce				0.03500		0.00800		0.00037		7.0000		0.00118		0.00479		0.00574		0.00054		0.03400	
					HF-1		HF.4		H-8-	:	HF-10	:	HF-12	!	HF-6	:	HF-14		HF-15	) :	HE.19	>

## FIGURE 20

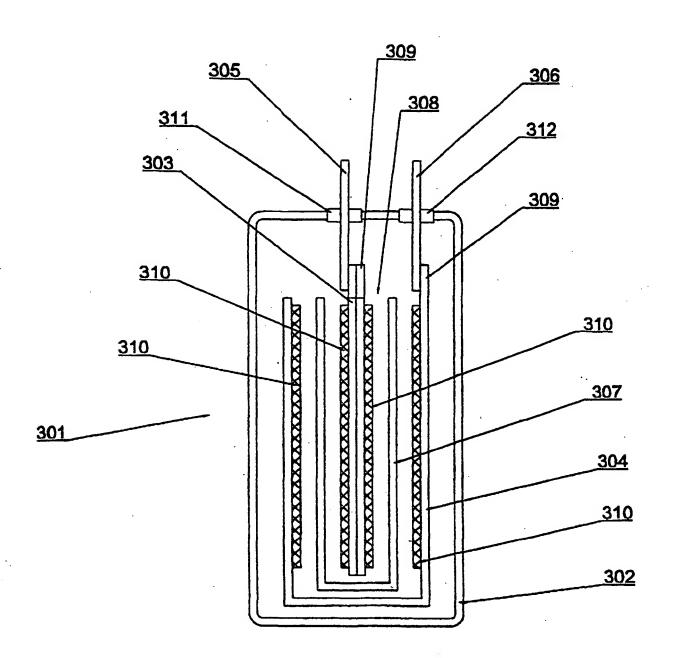
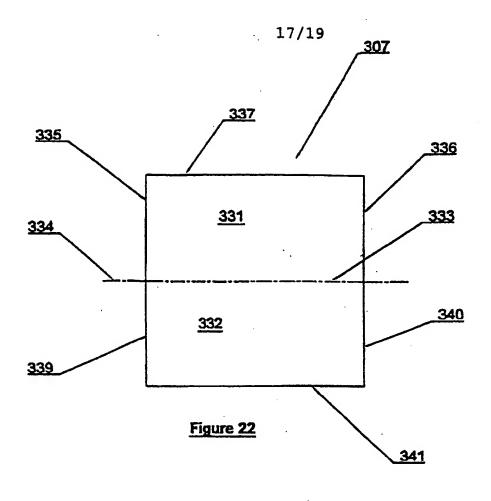
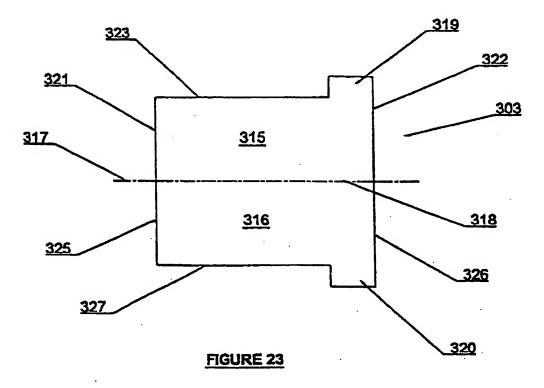


FIGURE 21

WO 00/34964 PCT/AU99/01081





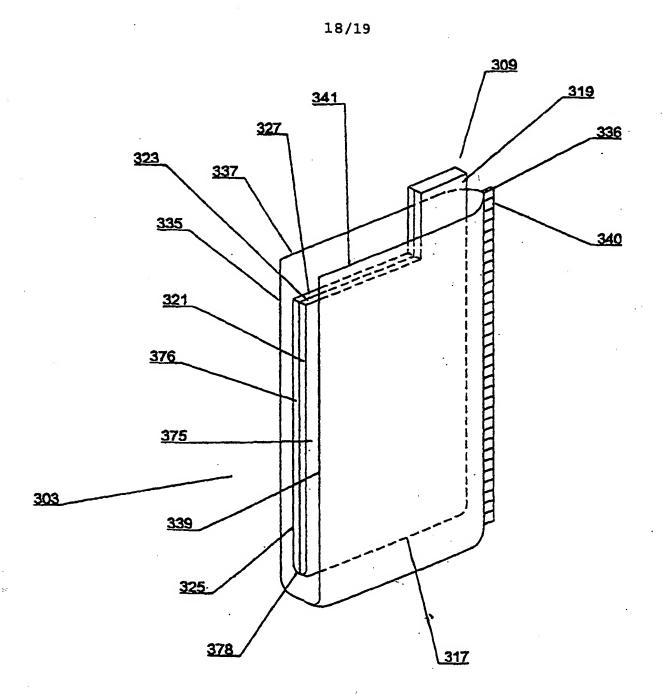


Figure 24

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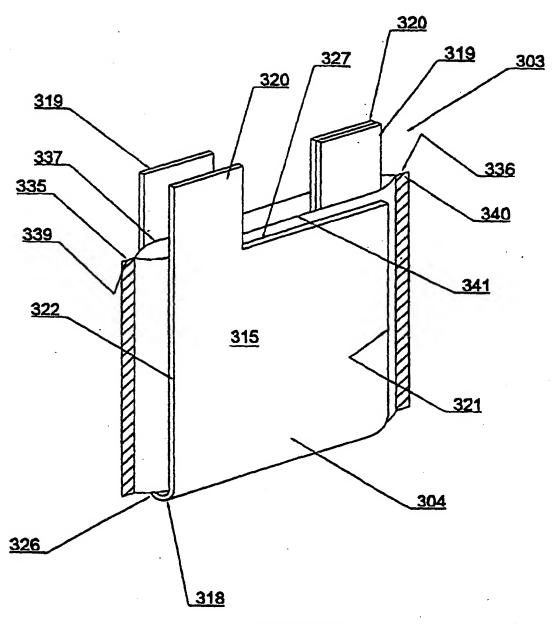


FIGURE 25